

## CLAIMS

1. An injector for gaseous fuel, the injector comprising a body (1) provided with a fuel feed duct (5) and with a fuel delivery duct (6), the feed duct (5) and the  
5 delivery duct (6) opening out into a chamber (4) of the body (1) in which there are mounted a valve member (16) and actuator means (18, 19) for actuating the valve member (16) between a closed position and an open position in which the valve member (16) defines a fuel  
10 flow section, the injector being characterized in that the delivery duct (6) includes a calibrated segment (10) of section smaller than the flow section defined by the valve member (16) when in the open position.
- 15 2. An injector according to claim 1, characterized in that the delivery duct (6) includes a frustoconical segment (9) extending from the chamber (4) to the calibrated section (10), tapering towards the calibrated section.
- 20 3. An injector according to claim 2, characterized in that the frustoconical segment (9) has an angle at the apex of less than about  $55^{\circ}$ .
- 25 4. An injector according to claim 1, characterized in that the delivery duct (6) is arranged to obtain a flow speed of fuel in the calibrated segment (10) that is sonic.